

Geographic Spread



South Carolina reported **widespread activity** this week. This is the **second consecutive** week at widespread activity.

Influenza Activity



Overall, there was **no change** in influenza activity this week.

Regional Influenza Activity



Increase



No change



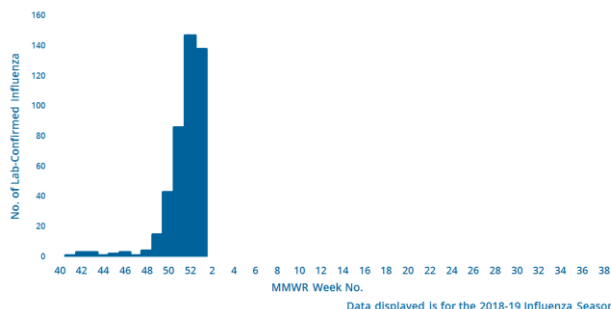
Increase



No change

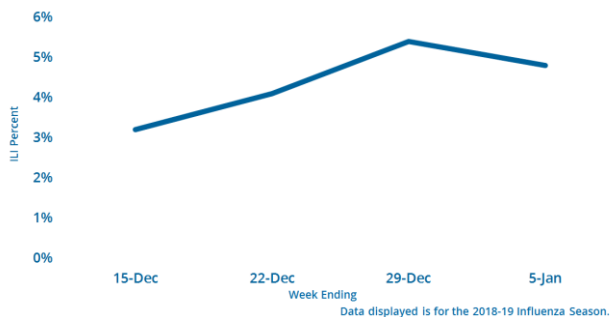
Virologic Surveillance

This week there were **138** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **450** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **4.77%**, which is **above** South Carolina's baseline (**3.53%**). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

This week **139** influenza-associated hospitalizations were reported by **51** hospitals. The cumulative hospitalization rate is **9.4 per 100,000**. In the current flu season, there have been **475** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **3** influenza-associated deaths were reported; however, all deaths occurred during previous weeks. The cumulative mortality rate is **0.3 per 100,000**. In the current flu season, there have been **14** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

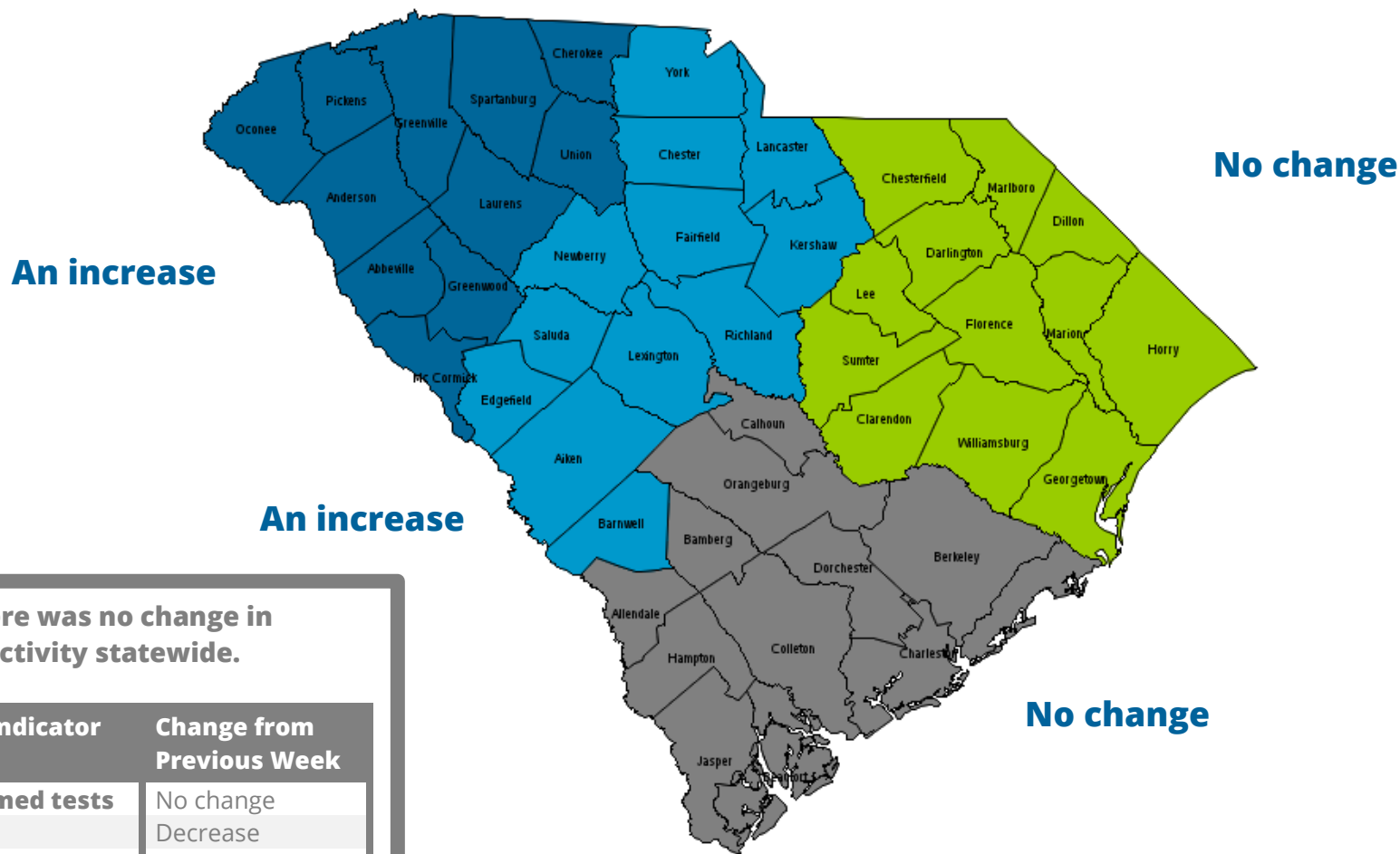
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	Decrease
Hospitalizations	Increase

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

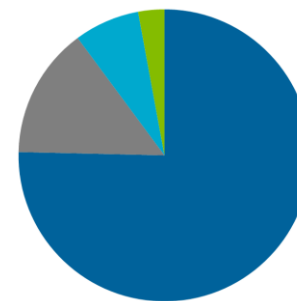
Virologic Surveillance

Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	138	450	515	172	280
Influenza A	134 (97.1)	417(92.7)	438(85.0)	127(73.8)	251(89.8)
A(H3)	10(7.5)	35(8.4)	131(29.9)	61(48.0)	79(31.3)
A(H1N1)	20(14.9)	82(19.7)	27(6.2)	4(3.1)	65(26.1)
A(NS)*	104(77.6)	300(71.9)	280(63.9)	62(48.9)	107(42.6)
Influenza B	4 (2.9)	33(7.3)	77(15.0)	45(26.2)	29(10.2)
B (Victoria)	--	--	--	--	0
B (Yamagata)	--	--	13(16.9)	--	3(9.1)
B (LND)*	4(100)	33(100)	64(83.1)	45(100)	26(90.9)

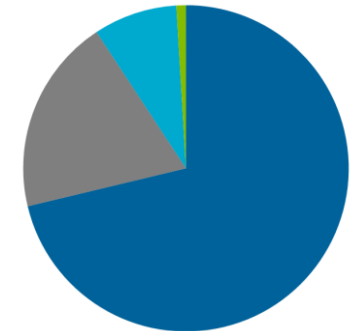
*NS - not subtyped *LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

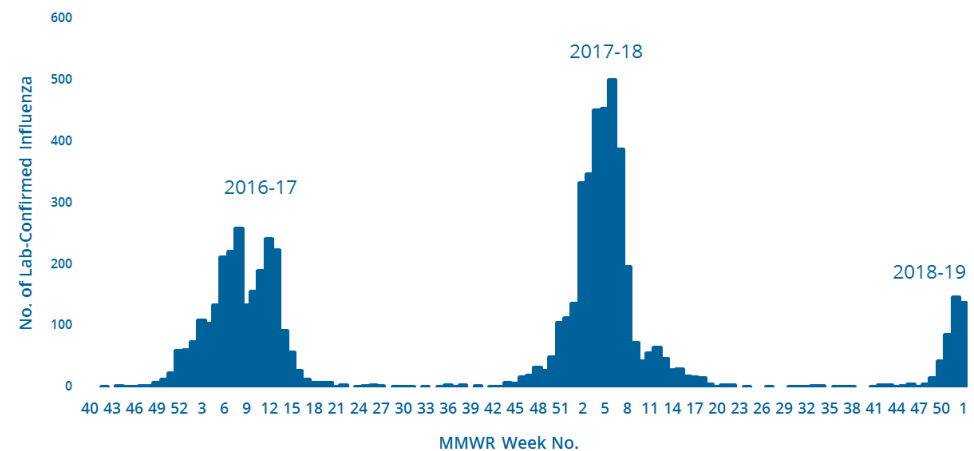
Week ending 1/5



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



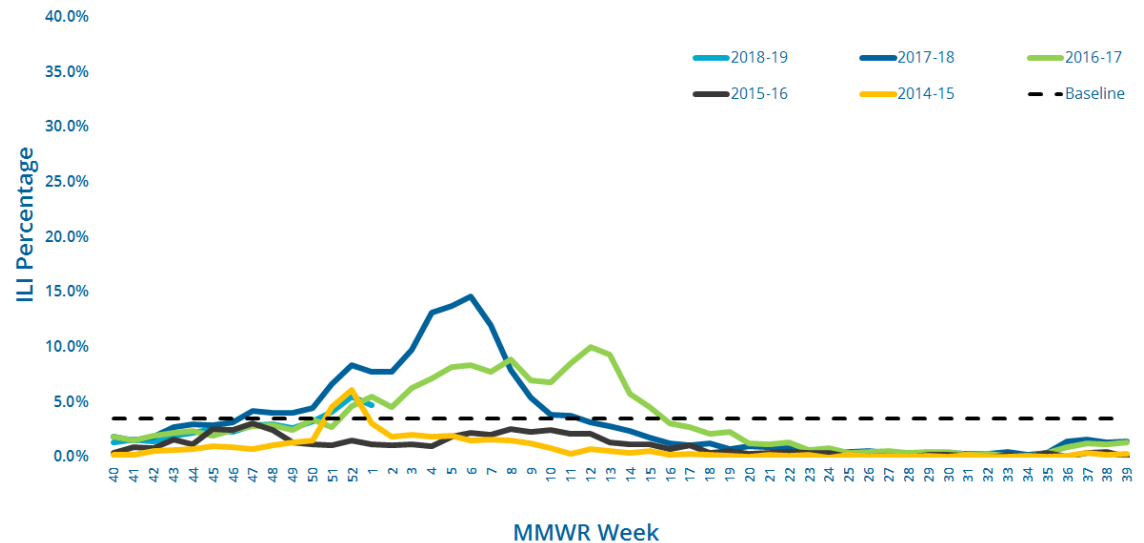
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and **4.77%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **above** the state baseline, **3.53%**.

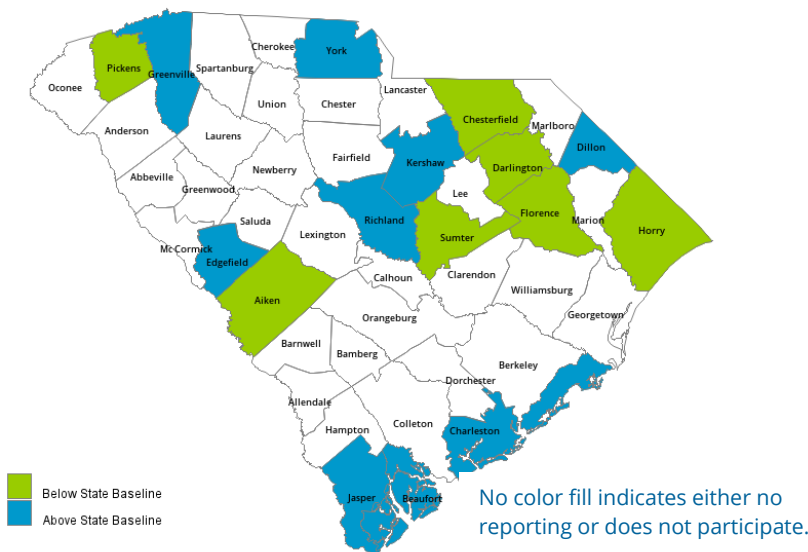
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

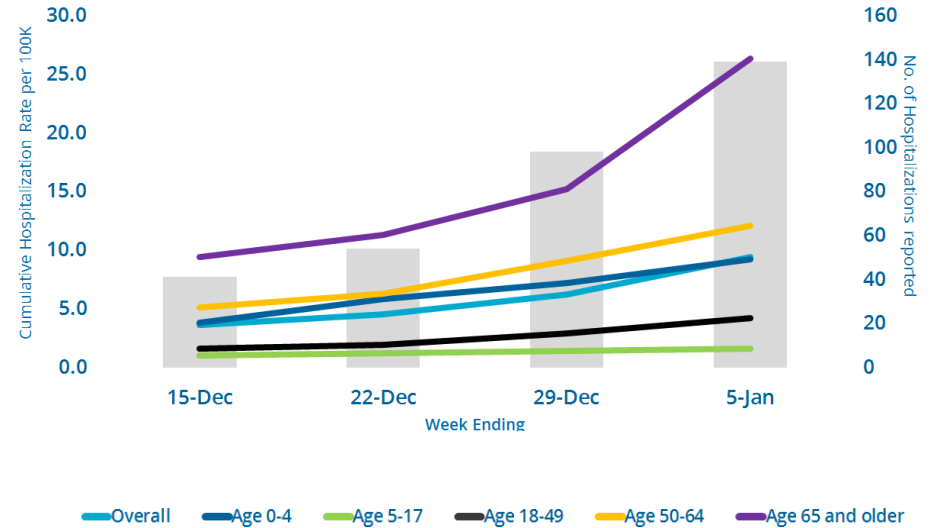
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	40	44	48	1	5	9	14	18	22	27	31	36
41	41	45	49	2	6	10	15	19	23	28	32	37
42	42	46	50	3	7	11	16	20	24	29	33	38
43	43	47	51	4	8	12	17	21	25	30	34	39
			52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	139(2.8)	6(2.0)	2(0.3)	25(1.2)	26(2.6)	80(9.3)
2018-19	475(9.4)	27(9.2)	13(1.6)	87(4.2)	121(12.1)	227(26.3)
2017-18	810(16.1)	34(11.6)	29(3.6)	105(5.1)	160(16.0)	482(55.7)
2016-17	268(5.4)	14(4.8)	11(1.4)	46(2.3)	69(7.0)	128(15.4)
5 season average	713(14.6)	48(16.6)	32(4.0)	123(6.1)	159(16.3)	351(44.5)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	14(0.3)	1(0.3)	--	1(0.0)	5(0.5)	7(0.8)
2017-18	29(0.6)	--	--	1(0.0)	3(0.3)	25(2.9)
2016-17	8(0.2)	--	--	1(0.0)	1(0.1)	6(0.7)
5 season average	23(0.5)	0	0	2(0.1)	4(0.3)	17(2.1)



Influenza-Associated Deaths by Region

